

006750"5642560

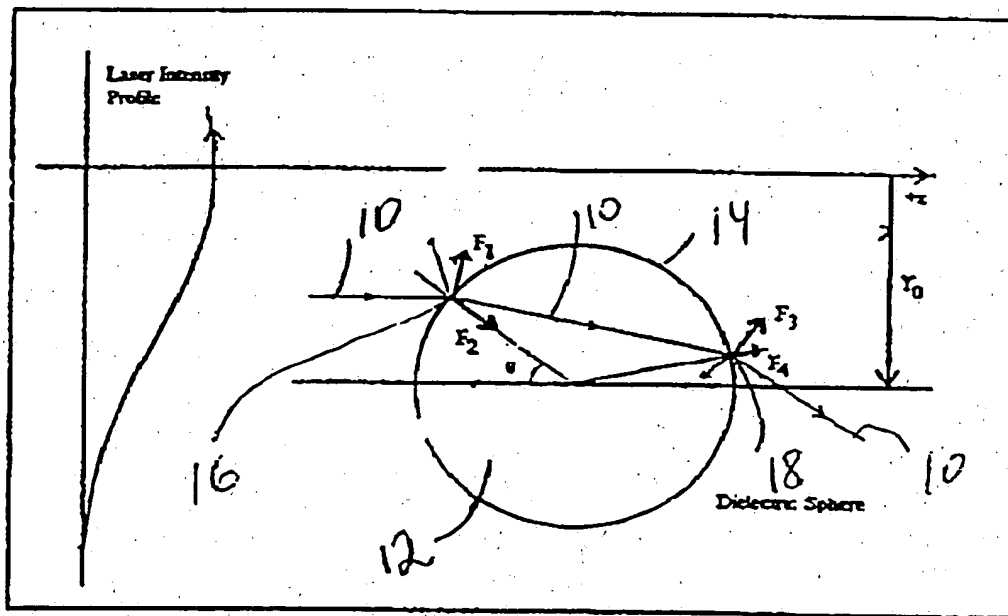


Fig. 1

006T50" 55642560

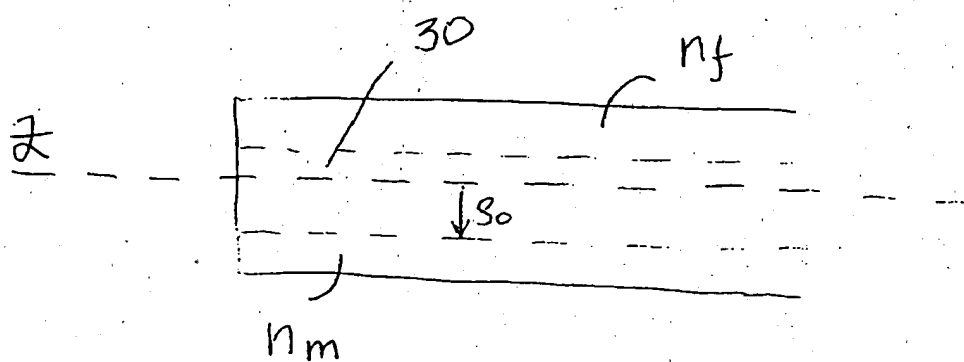


Fig. 2

006750" 55642560

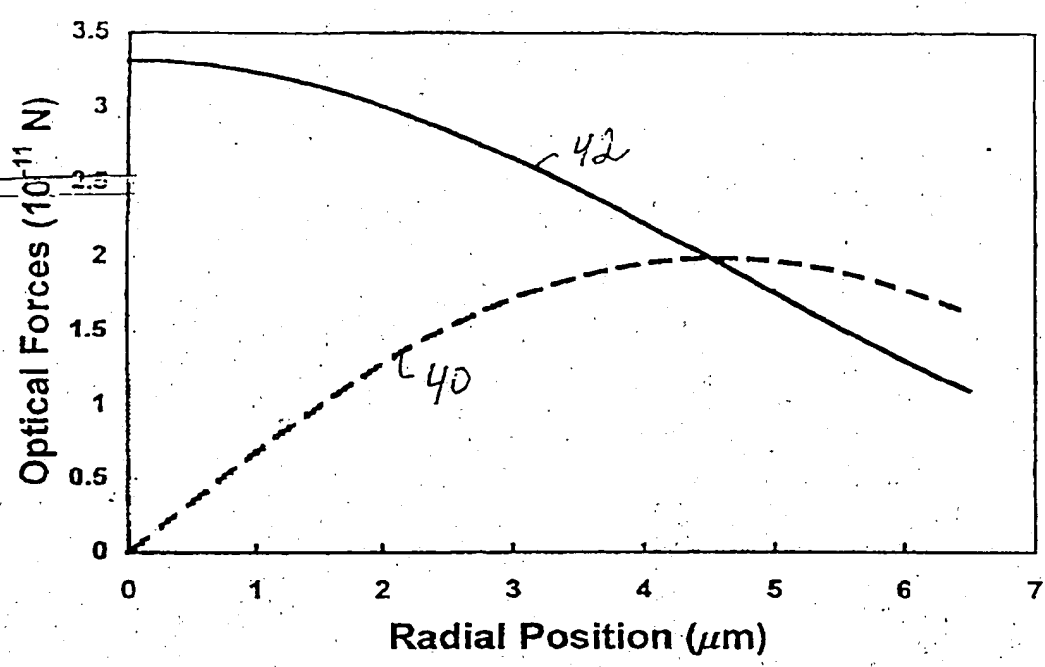


Fig. 3

006T50"55642560

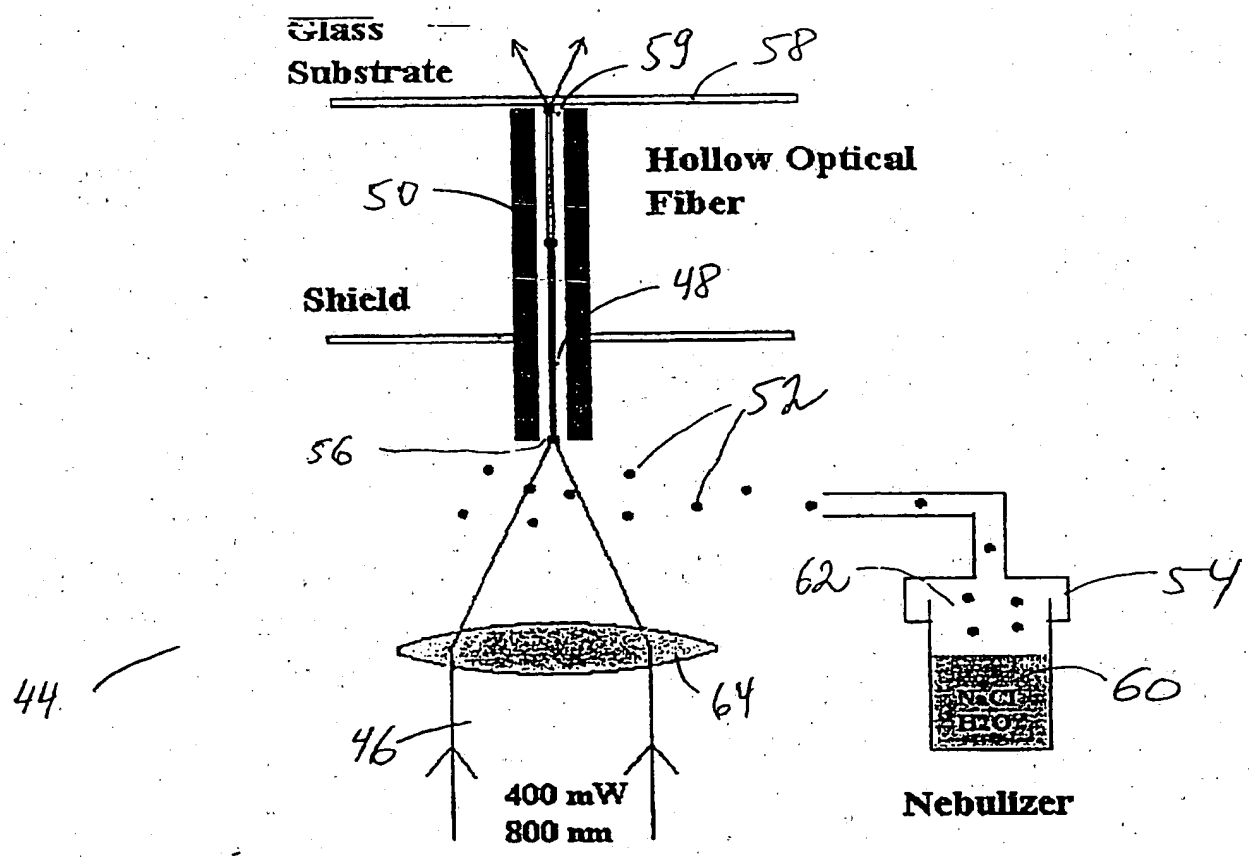


Fig. 4

66 68
70
72
74
00574956
051900

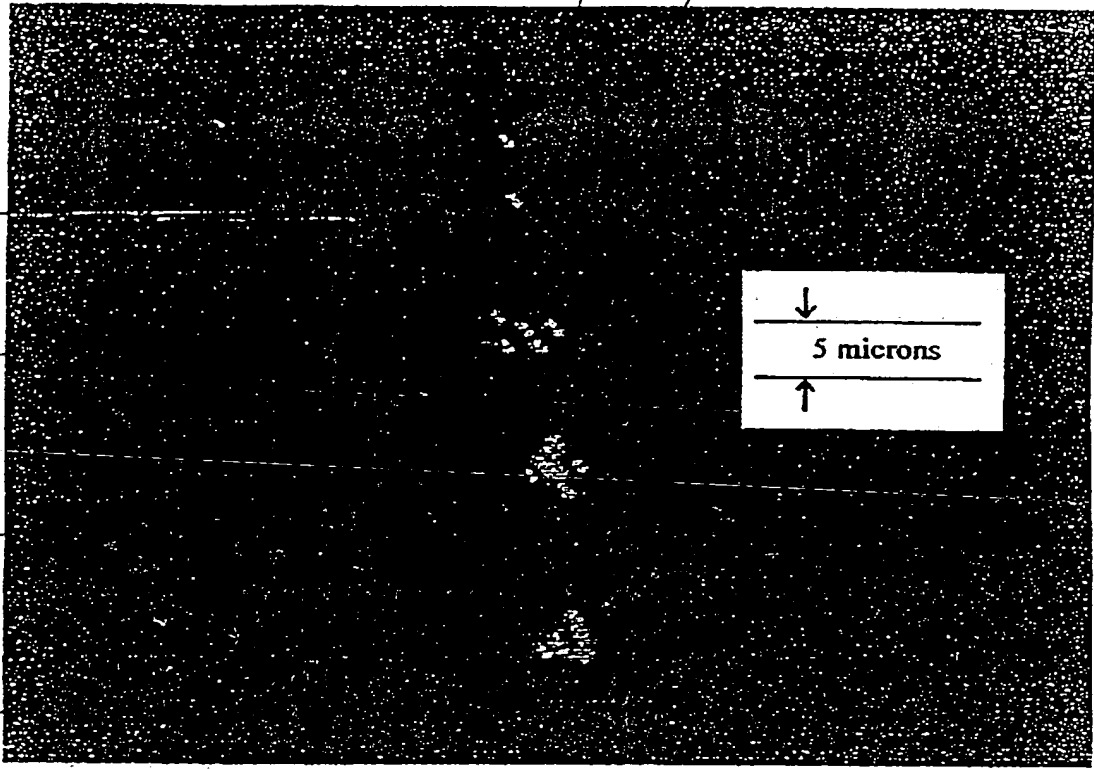


Fig. 5

006T50" S56H2S6D

Barium Titanate Deposits

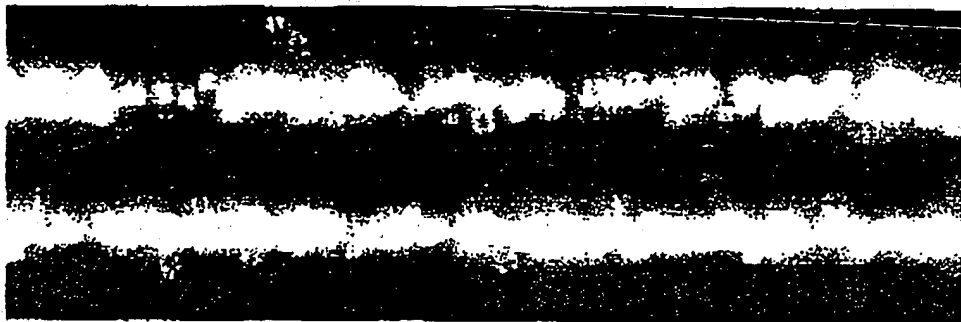


Fig 6 (a)

Micrograph showing barium titanate deposits.

Indium Oxide (a) and Silver (b)

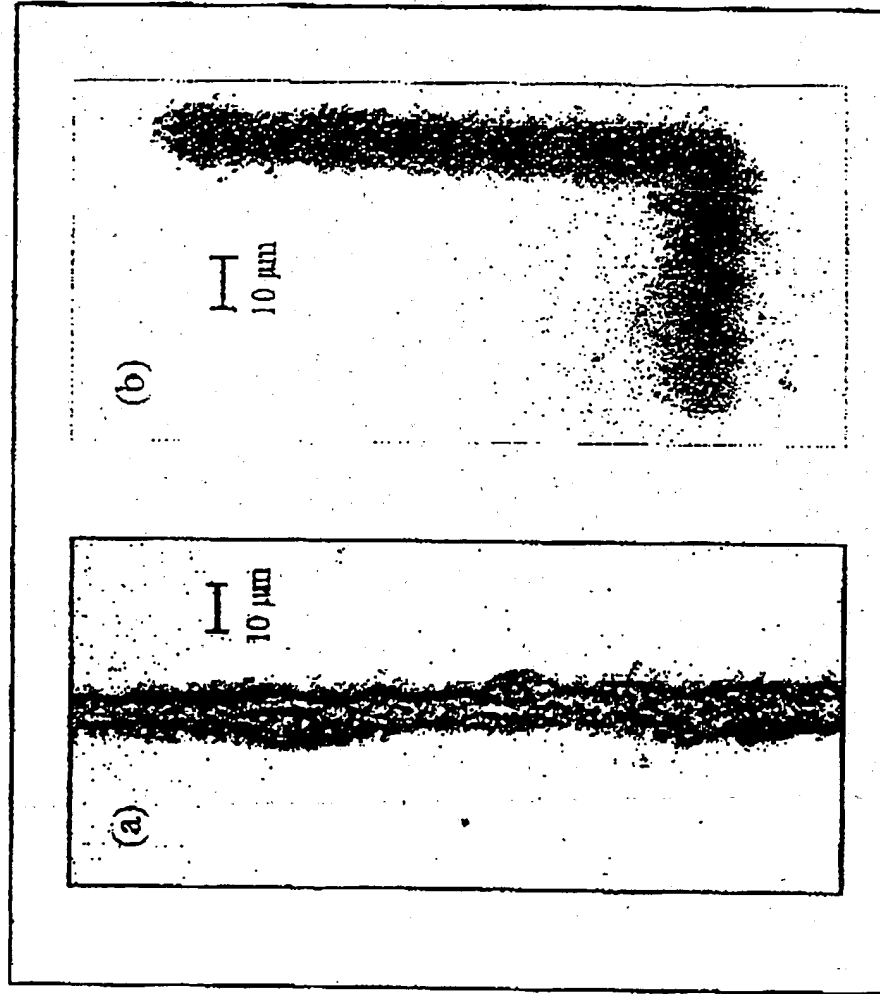


Fig. 6(b)

Fig. 6(c)

Aluminum Nitrate/Aluminum Oxide Deposits

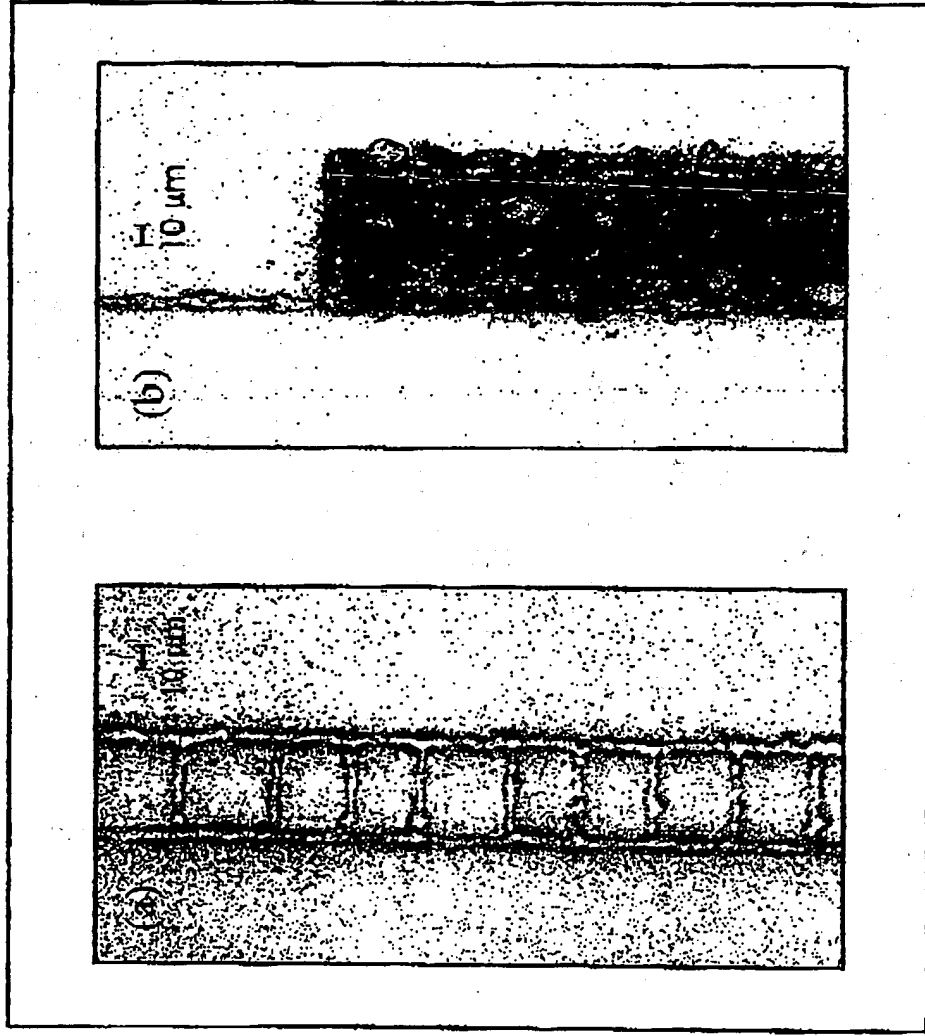


Fig. 6(d) Fig. 6(e)

09574955.051900

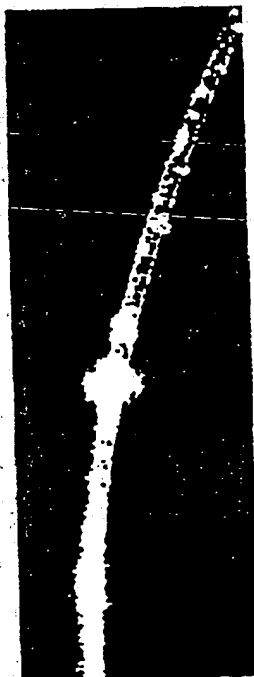
a)



b)



c)



d)



Fig. 7

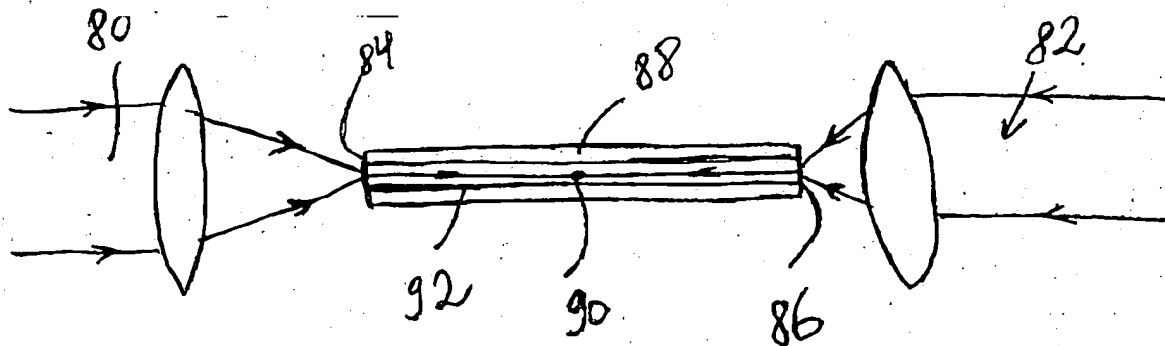


Fig. 8

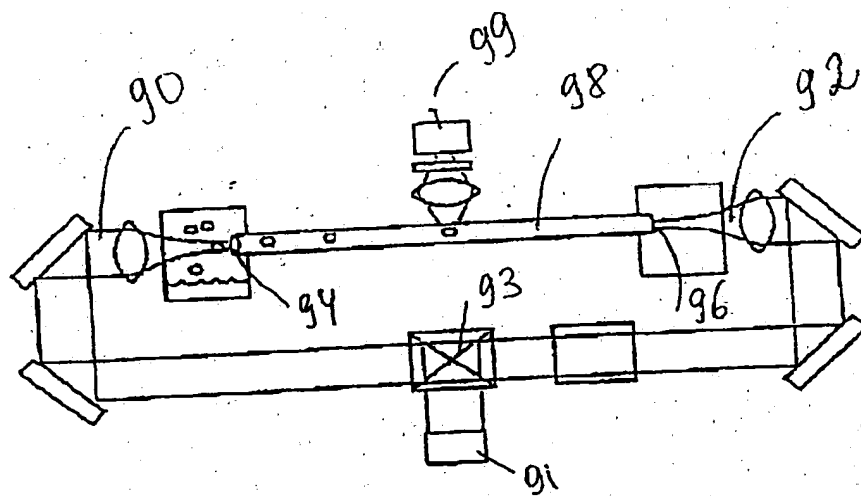


Fig. 9

006T5D-SS64560

Table 1.

Materials Manipulated	
Metals	Au, Ag, Pd, Rh, Pt
Dielectrics	Glass, BaTiO ₃ , Al ₂ O ₃
Semiconductors	Si, Ge, CdS, InO
Liquids	H ₂ O, acids, bases, solvents, salt solutions
Plastics	Polystyrene
Biological	Embryonic nerve and glial cells, bacteria, microtubules
Substrates used	
Glass, Ceramic, Plastic, Paper, Si, Kapton	
Line Dimensions - $3\mu\text{m} \pm 0.5\mu\text{m}$	

Fig. 10